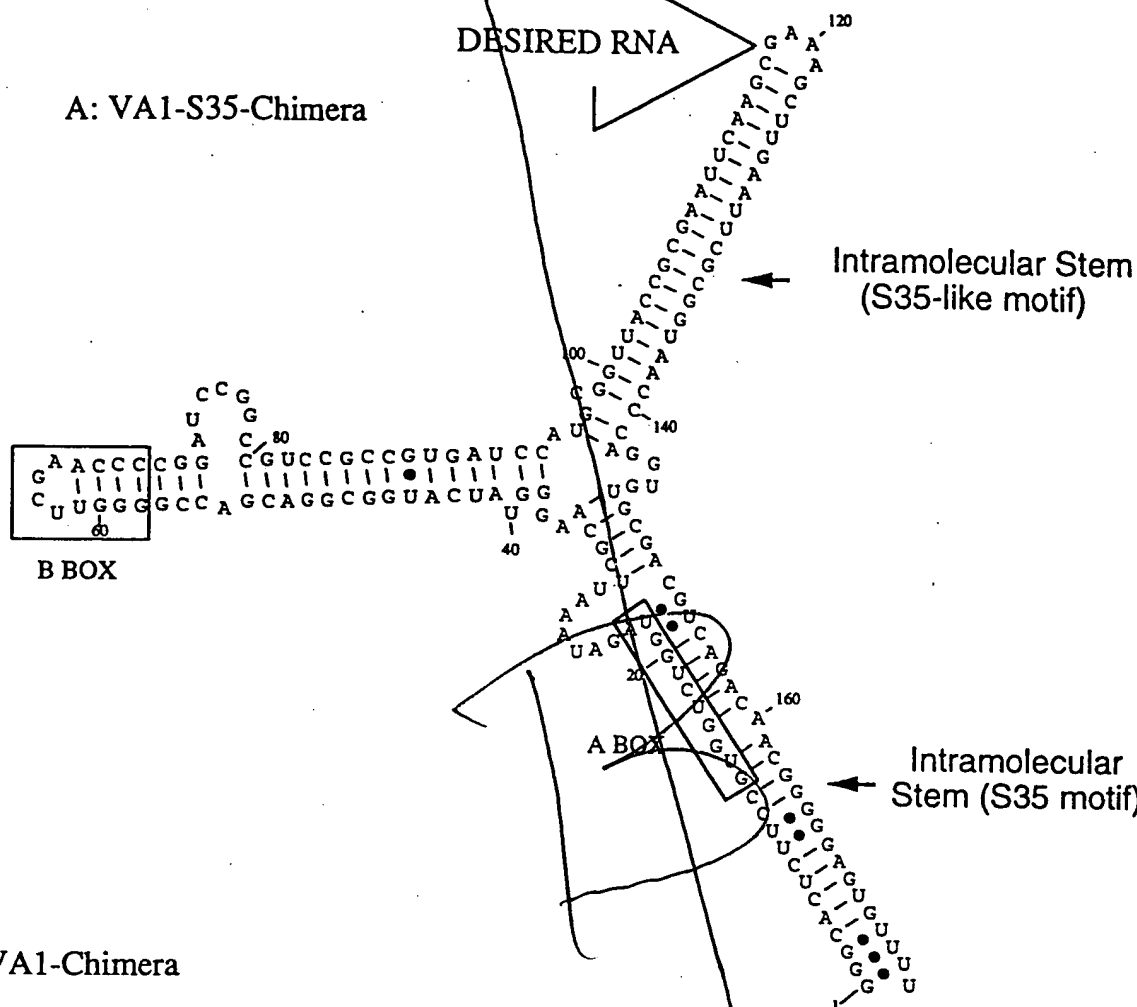
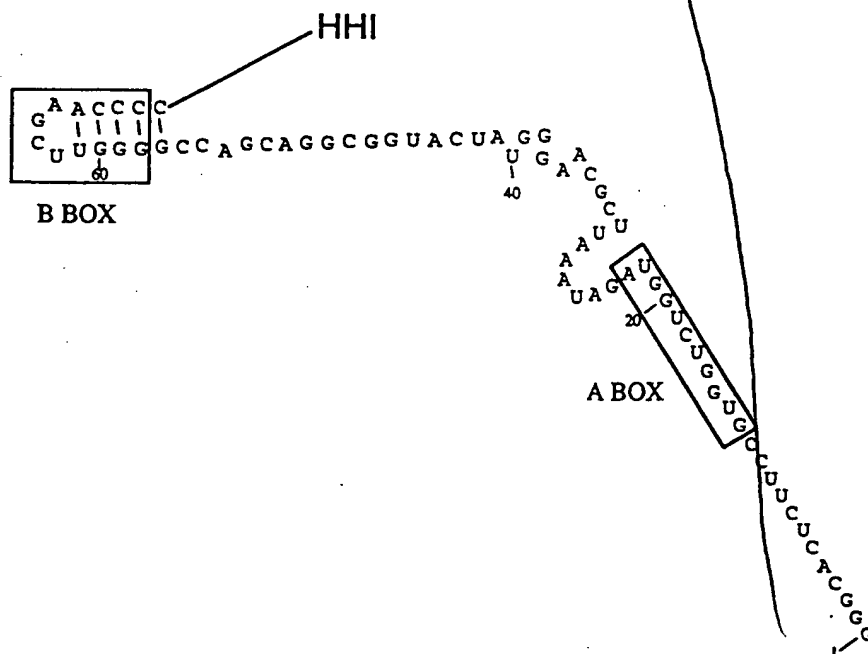


Figure 25 : VA1-Chimeras

A: VA1-S35-Chimera

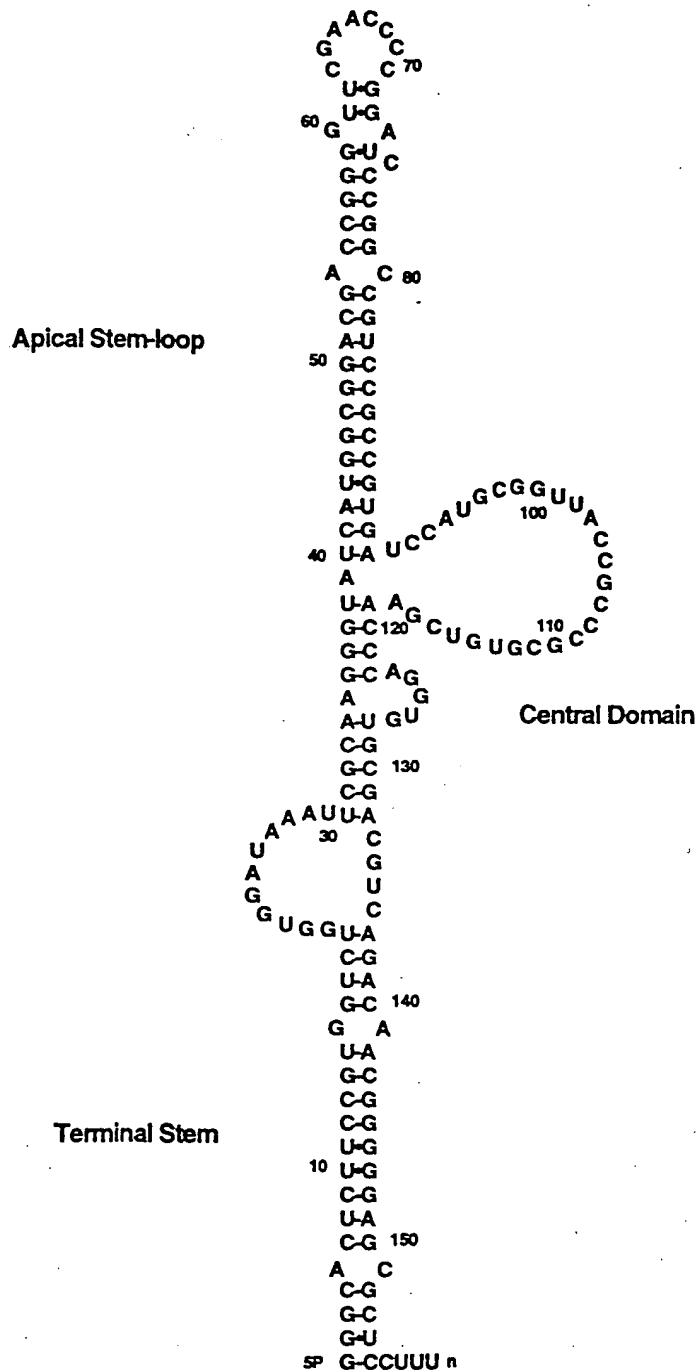


B: VA1-Chimera



002080-91809960

Figure 24: Adenovirus VA I RNA



002030-9480E950

Figure 21: Human U6-S35-Ribozyme Chimera
(U6C-S35-HHII)

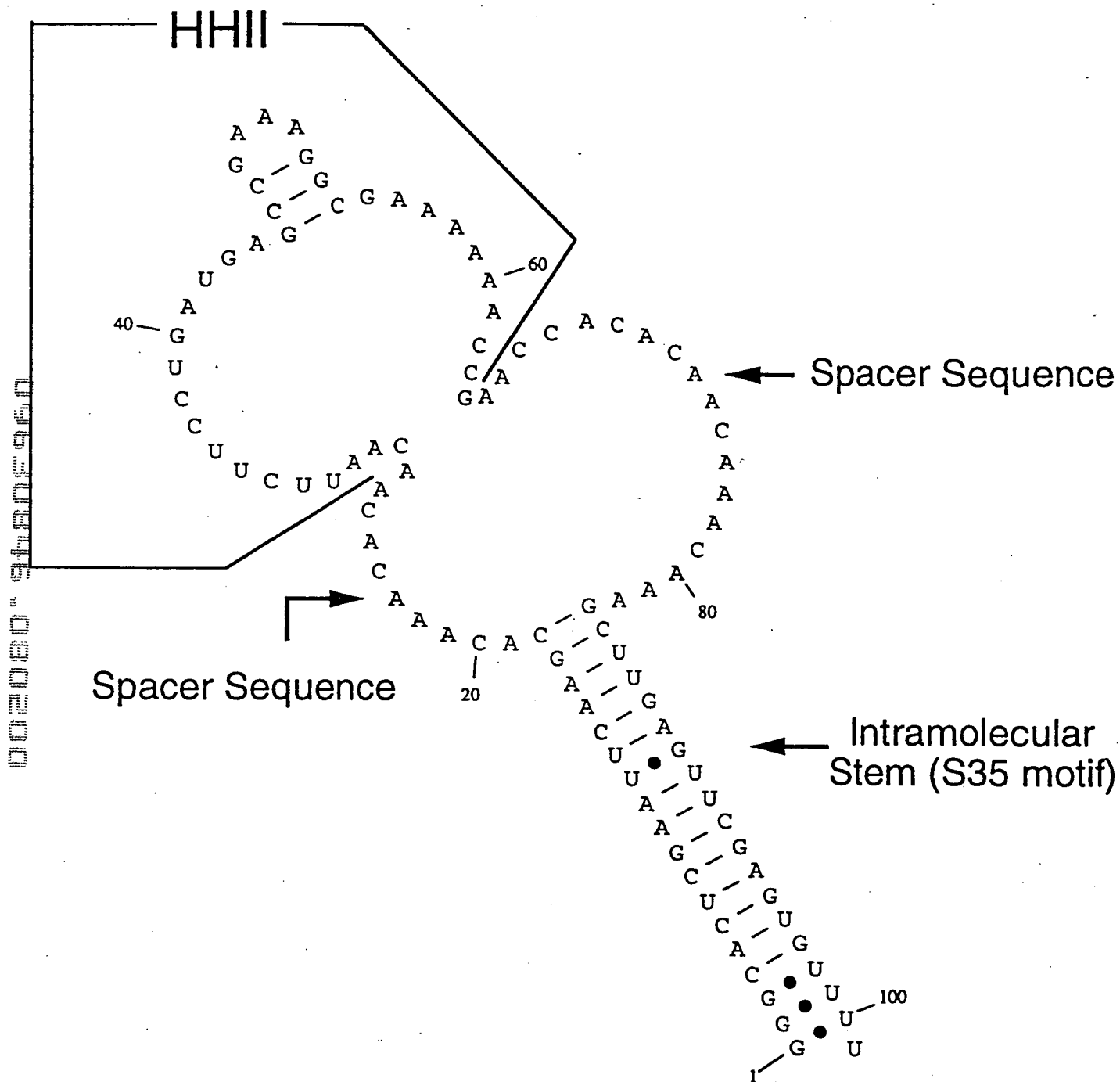
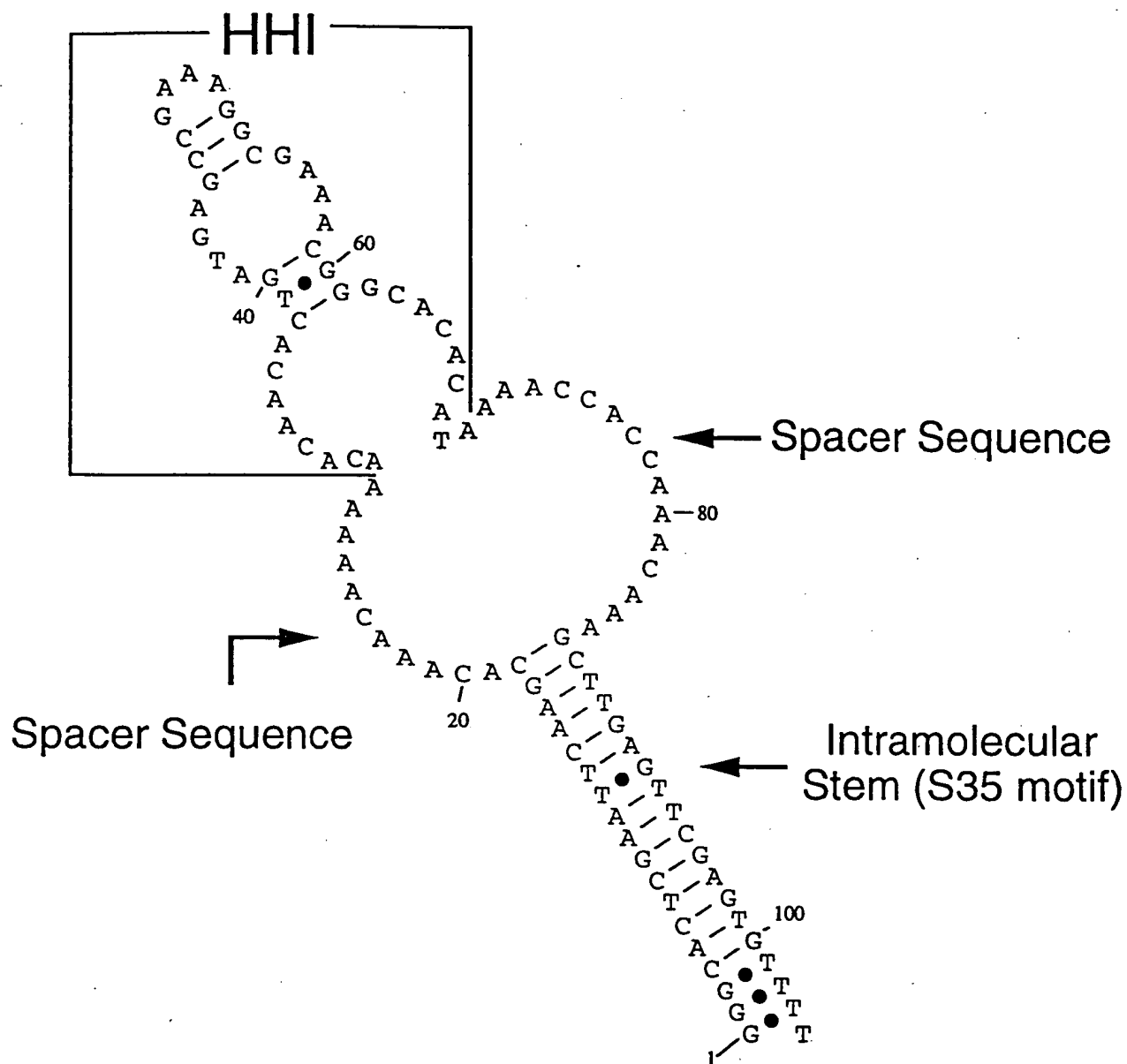
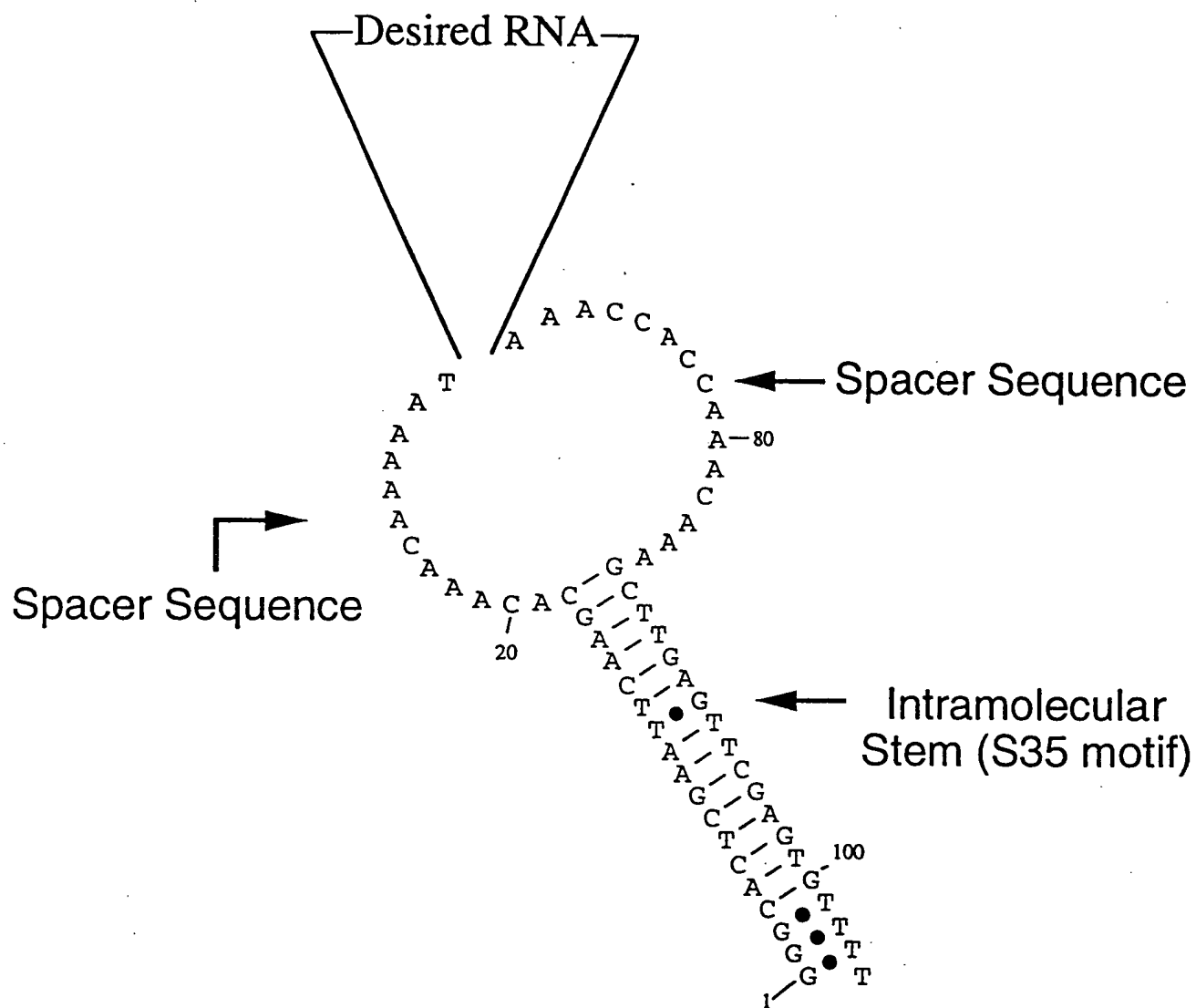


Figure 20: Human U6-S35-Ribozyme Chimera
(U6-S35-HHI)



002080-2480960

Figure 1: U6 -S35 Chimera



HPITRZ-A Ribozyme Chimera

002080" 94809560

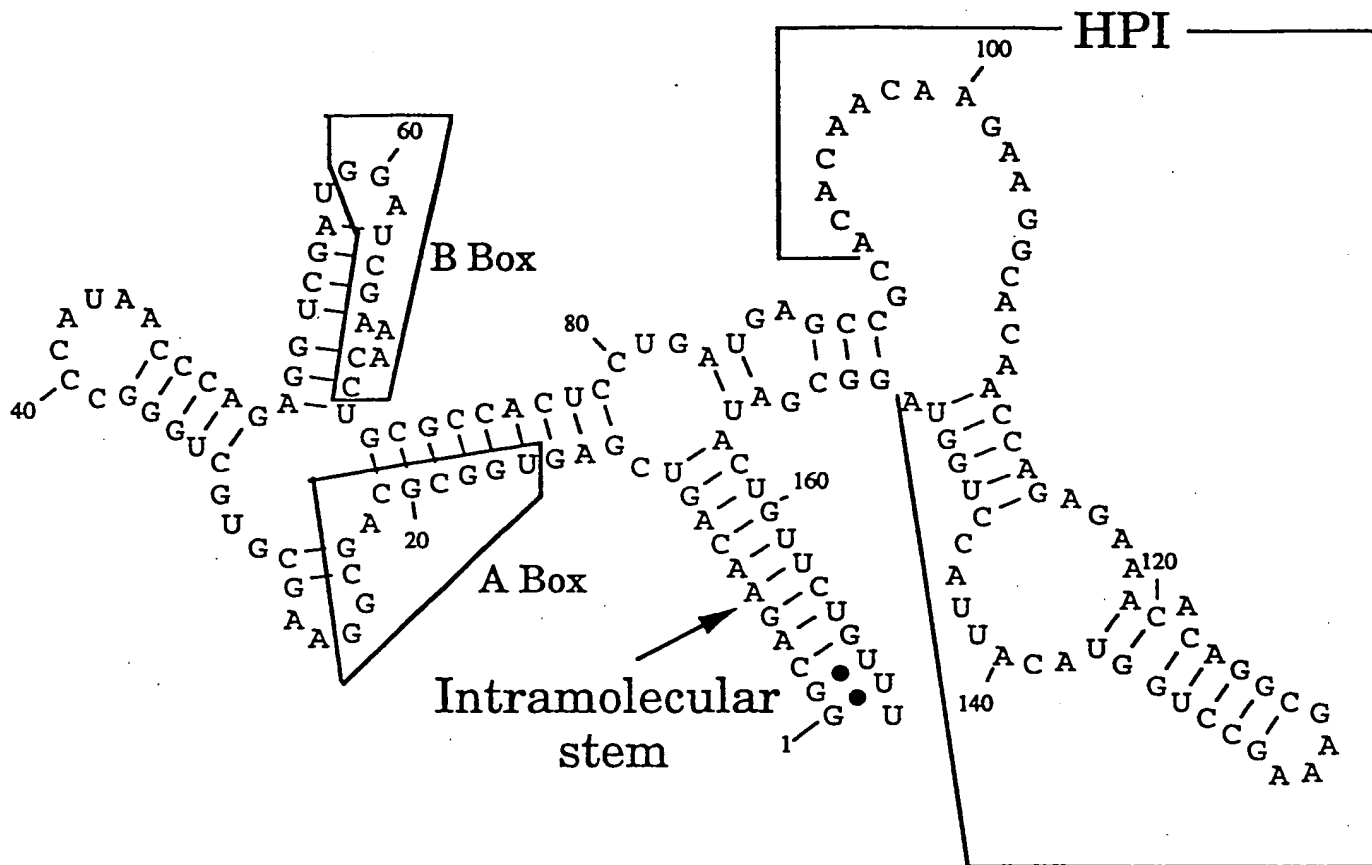


Figure 17 B

HHITRZ-A Ribozyme Chimera

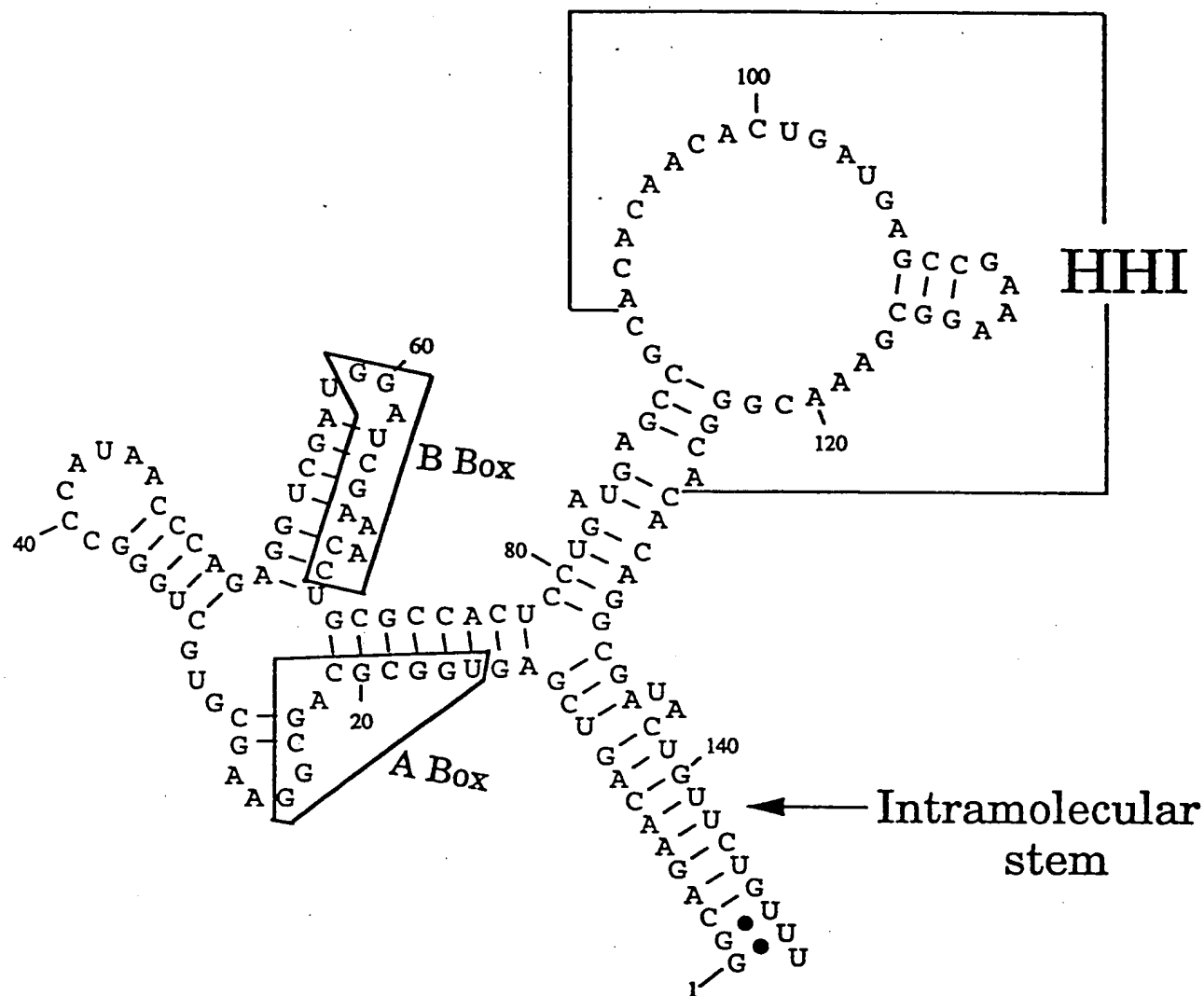


Figure 17A

B

B: TRZ-B

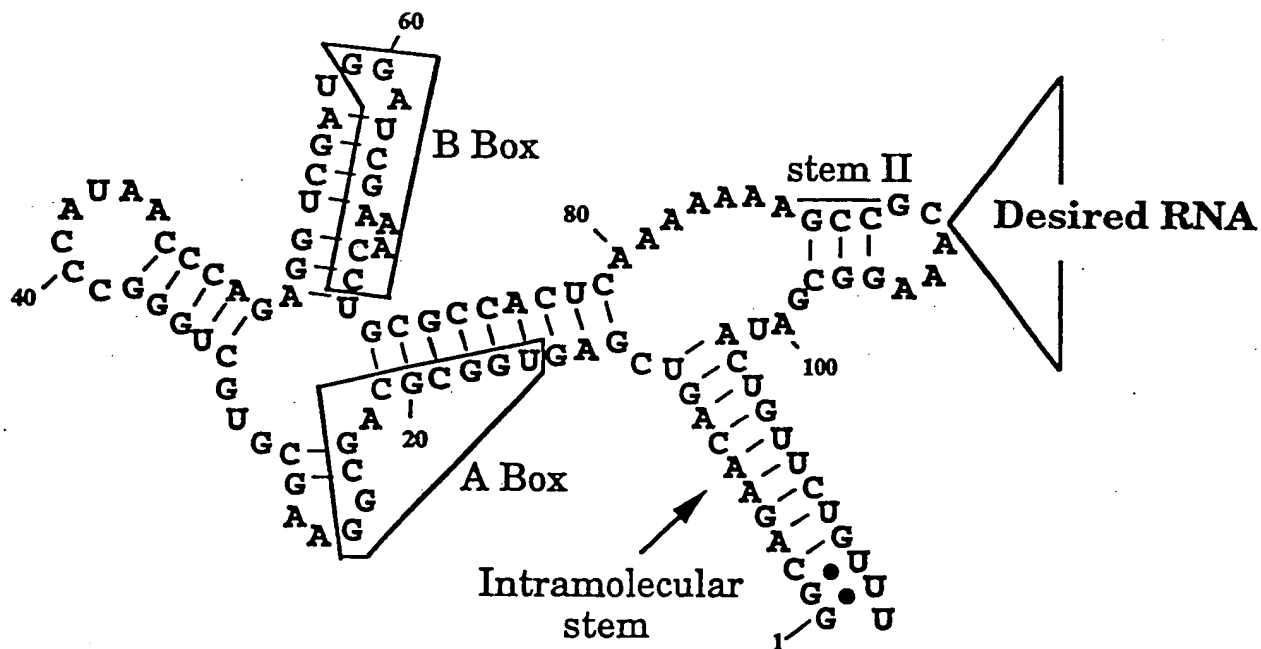


Figure 16

5T Ribozyme Chimera (HHI5T)

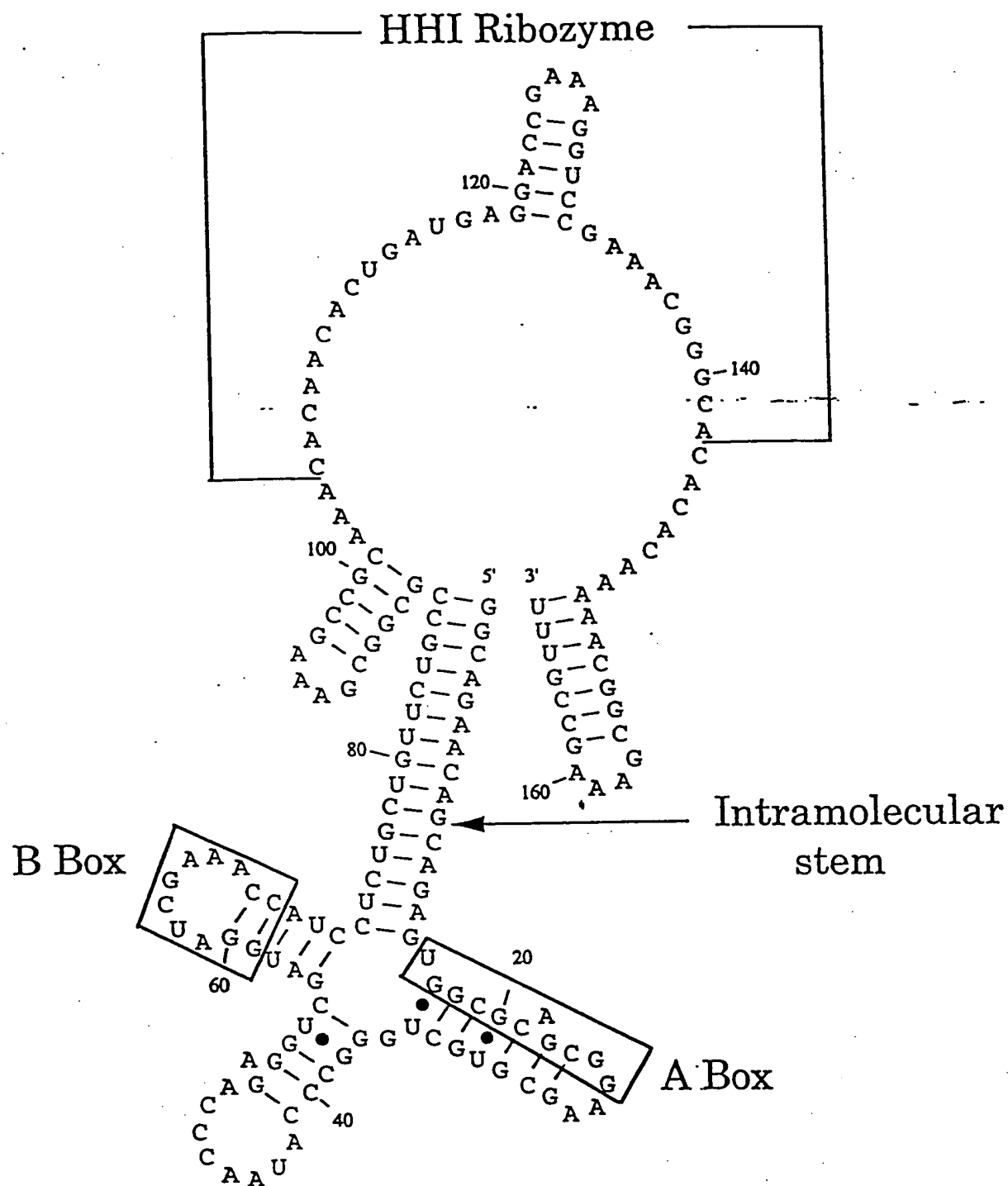


Figure 15 B

5T Ribosome Chimera (HI5T)

5T tRNA Chimera (5T)

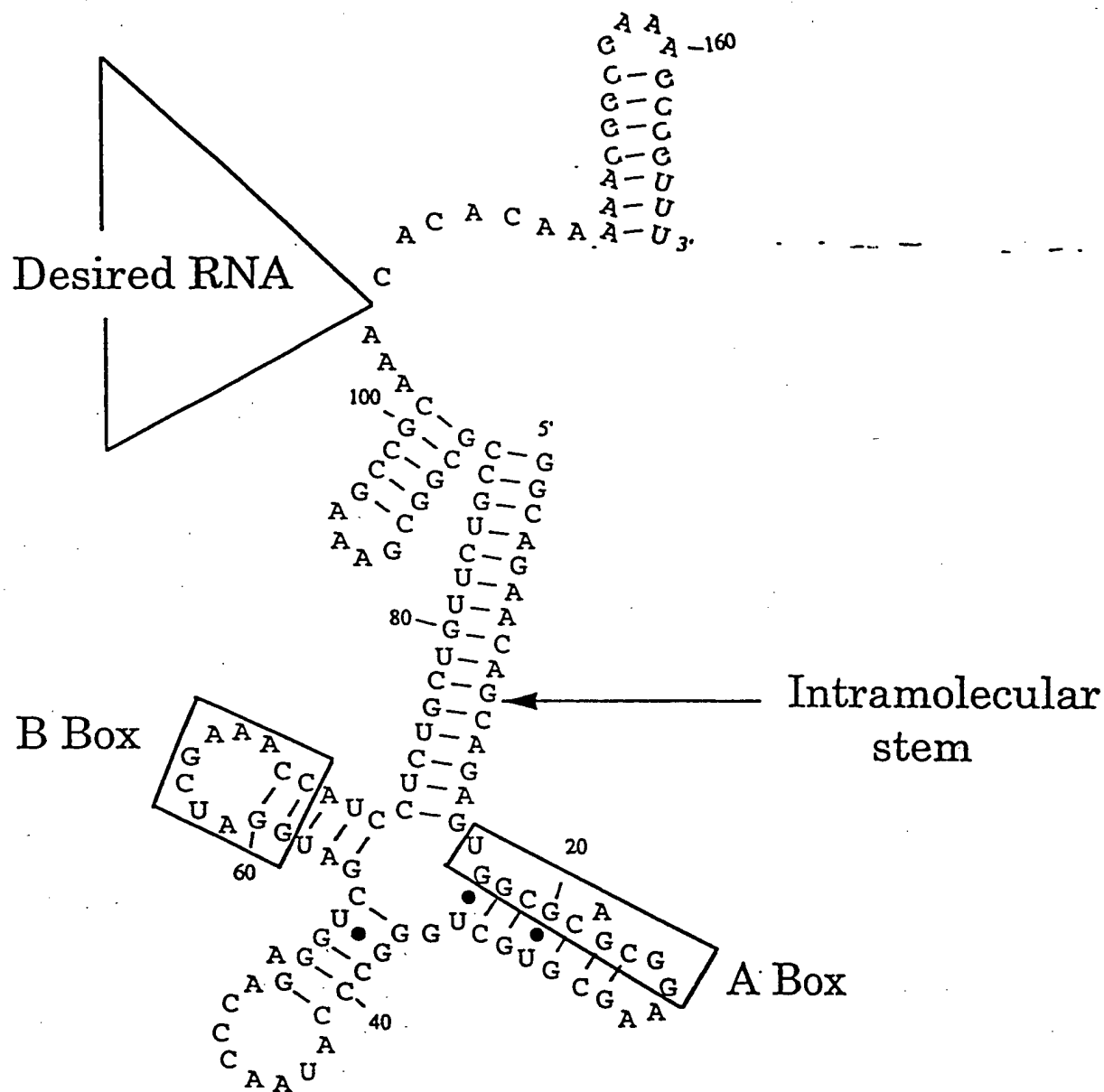


Figure 15 A

HHIS35 Plus

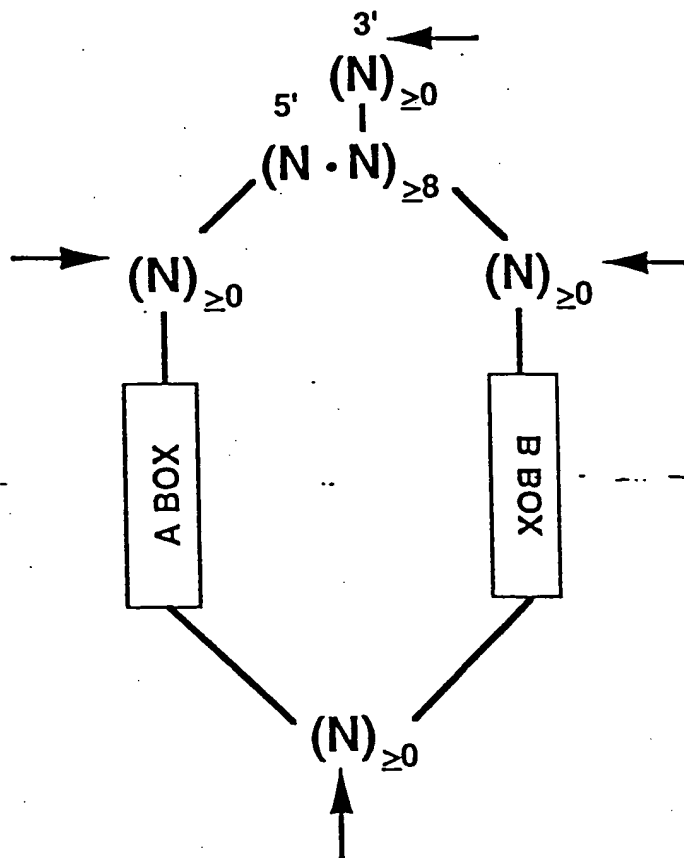
GGCAGAACAG CAGAGUGGCG CAGCGGAAGC GUGCUGGGCC CAUAACCCAG 50
AGGUCGAUGG AUCGAAACCC CGGAUCGUAC CGCGGCACAA CACUGAUGAG 100
GACCGAAAGG UCCGAAACGG GCAGGAUCCU AACGAUCCGG GGUGUCGAUC 150
CAUCACUCUG CUGUUCUGUU U 171

Underlined bases indicate the HHI ribozyme sequence

FIGURE 12 b

002080-2180E960

Proposed Chemical Formula for S35 Expression Cassette



A BOX = URGCNNAGYGG

B BOX = GGUUCGANUCC

This is based on Geiduschek & Tocchini-Valentini, (1988) Annu. Review Biochem. 57, 873-914. However this consensus sequence is not meant to be limiting

N = A, U, G, or C

R = Purine

Y = Pyrimidine

• = Indicates base-pairing

— = Indicates covalent linkage

➔ = Indicates sites at which desired RNAs can be cloned

FIGURE 13

S35 Plus Sequence

GGCAGAACAG CAGAGUGGCG CAGCGGAAGC GUGCUGGGCC CAUAACCCAG 50
AGGUCGAUGG AUCGAAACCC CGGAUCGUAC CGCGGGGAUC CUAACGAUCC 100
GGGGUGUCGA UCCAUCACUC UGCUGUUCUG UU U 133

FIGURE 12 a

002080" 9480E960

HHIS35

GGCAGAACAG CAGAGUGGCG CAGCGGAAGC GUGCUGGGCC CAUAACCCAG 50
AGGUCGAUGG AUCGAAACCC CGGAUCGUAC CGCGGCACAA CACUGAUGAG 100
GACCGAAAGG UCCGAAACGG GCAGGAUCCA CUCUGCUGUU CUGUUU 146

Underlined bases indicate the HHI ribozyme sequence

FIGURE 11 b

002080" 9480E960

S35 Sequence

GGCAGAACAG CAGAGUGGCG CAGCGGAAGC GUGCUGGGCC CAUAACCCAG 50
AGGUCGAUGG AUCGAAACCC CGGAUCGUAC CGCGGUGGAU CCACUCUGCU 100
GUUCUGUUU 109

FIGURE 11 a

002080" 9430E960

002080" 34802950 S35 Plus Ribozyme Chimera (HHIS35 Plus)

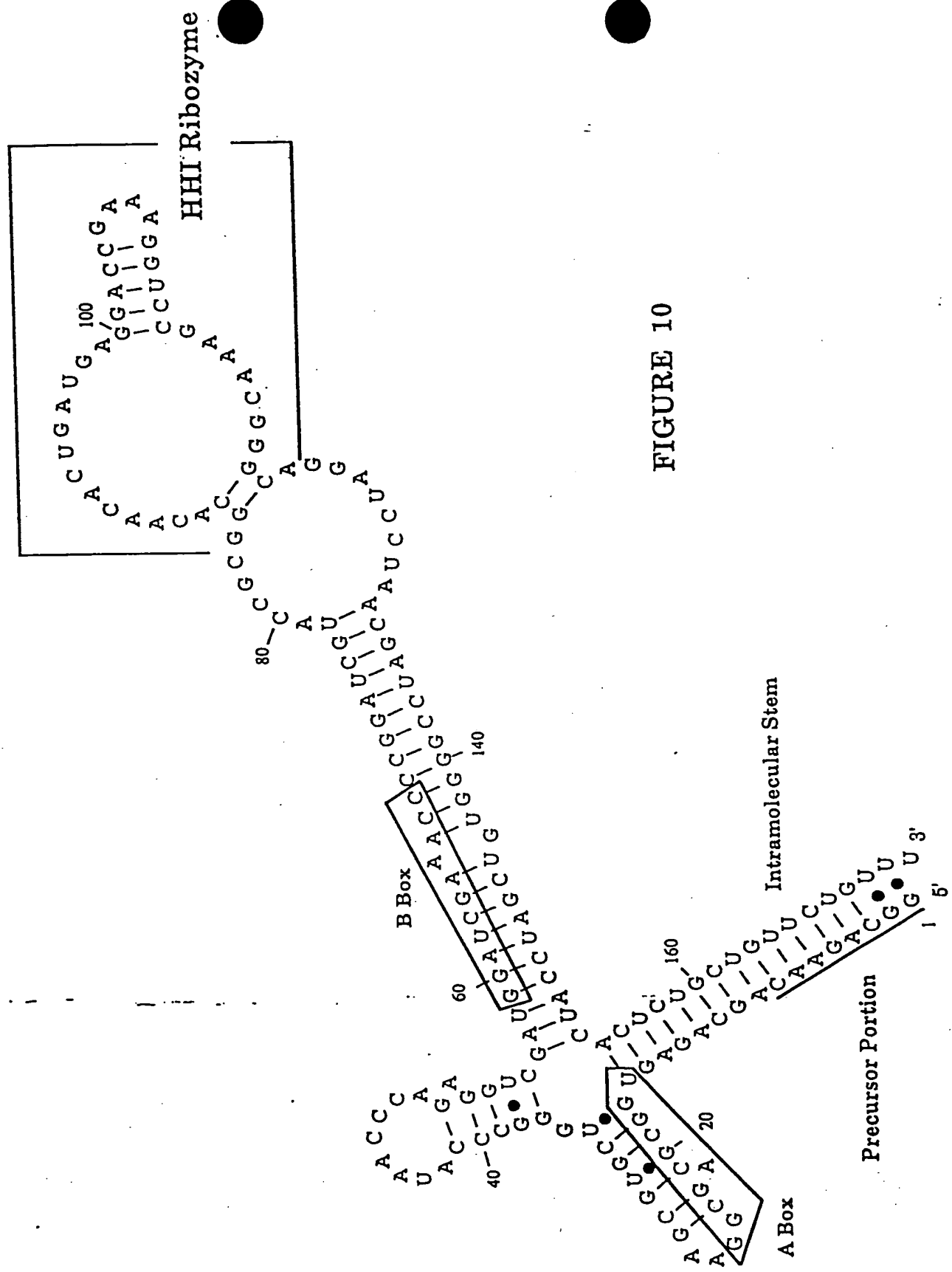


FIGURE 10

S35 Plus tRNA Chimera (S35 Plus)

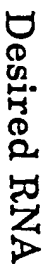


FIGURE 9

S35 Ribozyme Chimera (HHIS35)

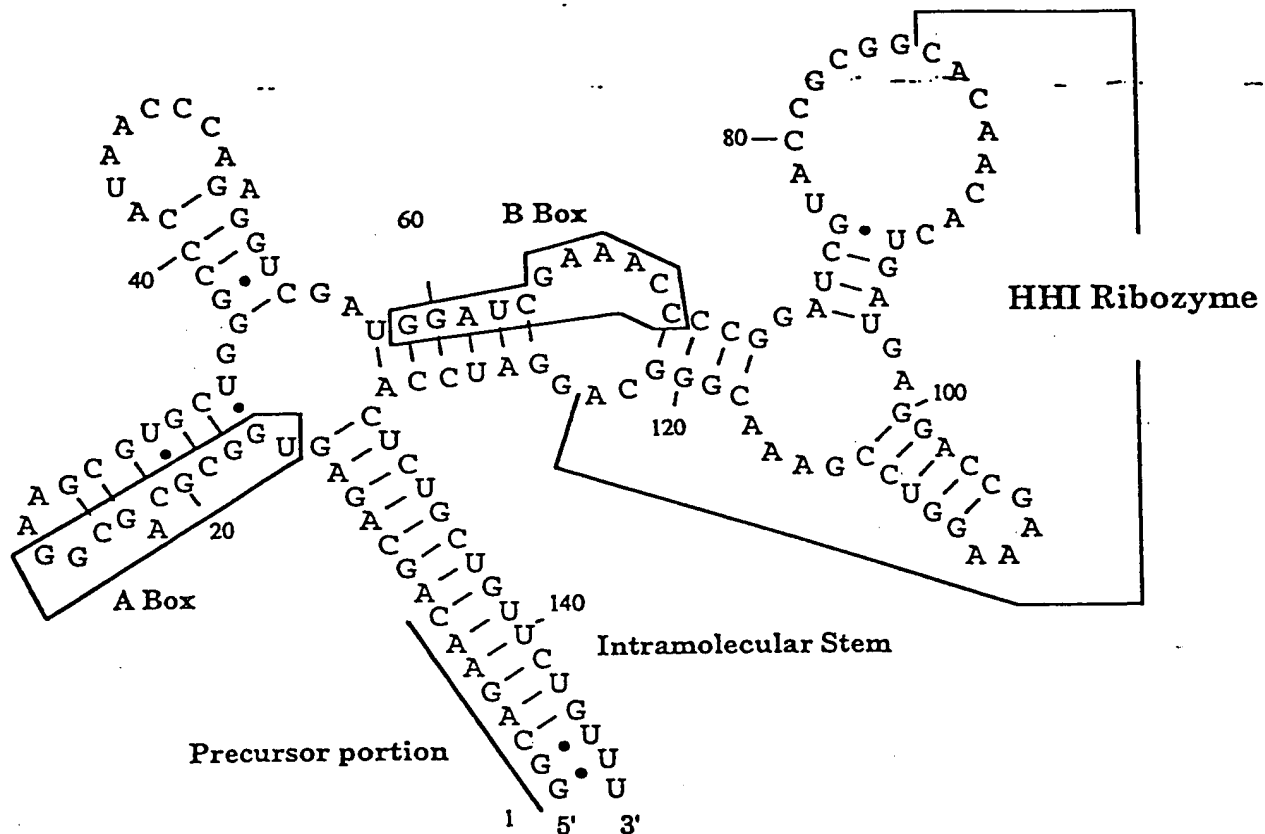


FIGURE 8

S35 tRNA Chimera (S35)

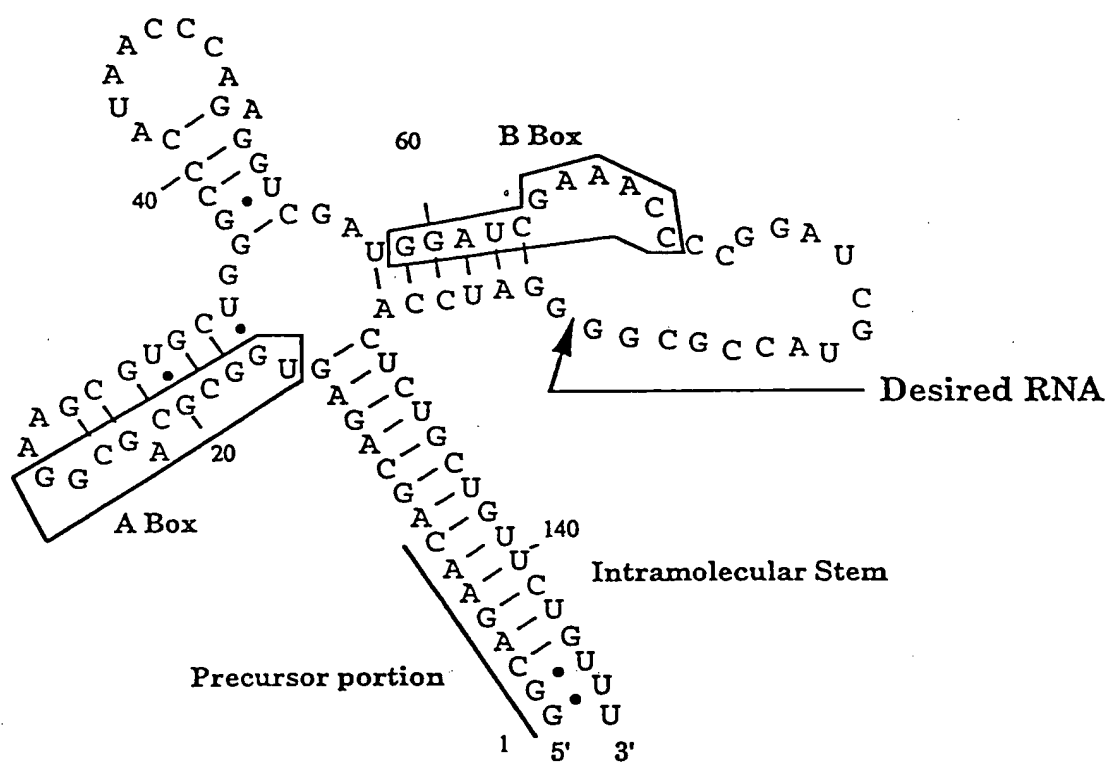


FIGURE 7

5.

